

DERWENT-ACC-NO: 2001-104426

DERWENT-WEEK: 200112

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TITLE: Oxidation dye containing 2-chloro-4-amino-phenol useful
for coloring keratin fibers, especially human hair

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PRIORITY-DATA: 2000DE-2017642 (October 14, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 20017642 U1	December 21, 2000	N/A	034	A61K 007/13

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DE 20017642U1	N/A	2000DE-2017642	October 14, 2000

INT-CL (IPC): A61K007/13

ABSTRACTED-PUB-NO: DE 20017642U

BASIC-ABSTRACT:

NOVELTY - Oxidation dyes for keratin fibers contain 2-chloro-4-amino-phenol as
a dye precursor.

DETAILED DESCRIPTION - An agent for coloring keratin fibers comprises a
cosmetically acceptable medium containing as dye precursors:

(A) 2-chloro-4-aminophenol; and

(B) N,N-bis-(2'-hydroxyethyl)-p-phenylenediamine, 4,4'-diaminodiphenylamin- e,
N-phenyl-p-phenylenediamine, 2,6-dichloro-4-aminophenol,
2,6-dibromo-4-aminophenol, 2-aminomethyl-4-aminophenol,
2-diethylaminomethyl-4-aminophenol, 2-aminophenol, 4-methyl-2-aminophenol,
2,4,5,6-tetraaminopyrimidine, 2-hydroxy-4,5,6-triaminopyrimidine,
2-dimethylamino-4,5,6-triaminopyrimid- ine,
4,5-diamino-1-(2'-hydroxyethyl)-pyrazole, 5-(2'-hydroxyethylamino)-2--
methylphenol, 5-(3'-hydroxypropylamino)-2-methylphenol,
3-amino-2-chloro-6-methylphenol, 2-chloro-6-methyl-3-trifluoroacetylamo-
-phenol, 5-amino-4-chloro-2-methylphenol, 5-amino-4-fluoro-2-methylphenol,
5-amino-4-methoxy-2-methylphenol, N,N-dimethyl-3-aminophenol,
N-cyclopentyl-3-aminophenol, 2,4-dichloro-3-aminophenol,
1,3-bis-(2',4'-diaminophenoxy)-propane, 1,3-bis-(2',4'-diamino phenyl)-propane,
3,5-diamino-2-methoxy-1-methylbenzene,
2,6-bis-(2'-hydroxyethyl)-1-methylbenzene, 2,4-diaminophenoxyethanol,
2-amino-5-chloro-3-hydroxypyridine, 3,5-diamino-2,6-dimethoxypyridine,
2,6-dihydroxy-3,4-dimethylpyridine, 2,3-diaminopyridine,
1-hydroxy-2-methylnaphthalene, 1,5-dihydroxynaphthalene,
2,7-dihydroxynaphthalene, 1,8-dihydroxynaphthalene, 4-hydroxyindole,
6-hydroxyindole, 3,4-methylenedioxyphenol, 3,4-methylenedioxyaniline,
1-(2'-hydroxyethylamino)-3,4-methylenedioxybenzene and/or
6-methyl-1,2,3,4-tetrahydroquinoxaline.

USE - The agent is useful for the coloring of fur, wool, feathers and
especially human hair, particularly in the copper to red-brown color range.

ADVANTAGE - The agent provides intense color with excellent fastness.
Toxicological properties are good.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: OXIDATION DYE CONTAIN CHLORO AMINO PHENOL USEFUL KERATIN HUMAN
HAIR

DERWENT-CLASS: B07 D21 E24

CPI-CODES: B06-D01; B07-D12; B10-B01A; B10-B03A; B10-E02; B14-R02; D08-B06;
E06-D01; E06-D06; E07-D04C; E10-B02A; E10-E04J; E10-H01E; E26-A03;
E26-C;

CHEMICAL-CODES:

Chemical Indexing M2 *01*

Fragmentation Code

G015 G100 H1 H100 H141 H4 H401 H441 H6 H602
H641 H8 M280 M320 M414 M431 M510 M520 M531 M540

M782 M904 M905 Q252

Specific Compounds

A0D01K A0D01M

Chemical Indexing M3 *01*

Fragmentation Code



⑩ BUNDESREPUBLIK
DEUTSCHLAND

⑩ G brau hsmust rschrift
⑩ DE 20017642 U1

⑩ Int. Cl. 7:
A 61 K 7/13



DEUTSCHES
PATENT- UND
MARKENAMT

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⑪ Anmeldetag: 14. 10. 2000
⑪ Eintragungstag: 21. 12. 2000
⑪ Bekanntmachung im Patentblatt: 25. 1. 2001

DE 20017642 U1

⑩ Inhaber:
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⑩ Oxidationsfärbemittel mit 2-Chlor-4-aminophenol
⑩ Mittel zur Färbung keratinischer Fasern, enthaltend in einem kosmetisch akzeptablen Medium als Farbstoffvorprodukte:
(A) 2-Chlor-4-aminophenol und
(B) mindestens ein weiteres Farbstoffvorprodukt, ausgewählt aus N,N-Bis-(2'-hydroxyethyl)-p-phenylenediamin, 4,4'-Diaminodiphenylamin, N-Phenyl-p-phenylenediamin, 2,6-Dichlor-4-aminophenol, 2,6-Dibrom-4-aminophenol, 2-Aminomethyl-4-aminophenol, 2-Diethylaminomethyl-4-aminophenol, 2-Aminophenol, 4-Methyl-2-aminophenol, 2,4,5,6-Tetraaminopyrimidin, 2-Hydroxy-4,5,6-triaminopyrimidin, 2-Dimethylamino-4,5,6-triaminopyrimidin, 4,6-Diamino-1-(2'-hydroxyethyl)-pyrazol, 5-(2'-Hydroxyethylamino)-2-methylphenol, 5-(3'-Hydroxypyropylamino)-2-methylphenol, 3-Amino-2-chlor-6-methylphenol, 2-Chlor-6-methyl-3-trifluoracetylaminophenol, 6-Amino-4-chlor-2-methylphenol, 6-Amino-4-fluor-2-methylphenol, 5-Amino-4-methoxy-2-methylphenol, N,N-Dimethyl-3-aminophenol, N-Cyclopentyl-3-aminophenol, 2,4-Dichlor-3-aminophenol, 1,3-Bis-(2',4'-diaminophenoxy)-propan, 1,3-Bis-(2',4'-diaminophenyl)-propan, 3,5-Diamino-2-methoxy-1-methylbenzol, 2,6-Bis-(2'-hydroxyethyl)-1-methylbenzol, 2,4-Diaminophenoxyethanol, 5-Chlor-2-amino-3-hydroxypyridin, 3,5-Diamino-2,6-dimethylpyridin, 2,6-Dihydroxy-3,4-dimethylpyridin, 2,3-Diaminopyridin, 1-Hydroxy-2-methylnaphthalin, 1,5-Dihydroxynaphthalin, 2,7-Dihydroxynaphthalin, 1,8-Dihydroxynaphthalin, 4-Hydroxylindol, 6-Hydroxylindol, 3,4-Methylenedioxyphenol, 3,4-Methylenedioxyanilin, 1-(2'-Hydroxyethylamino)-3,4-methylenedioxybenzol und 6-Methyl-1,2,3,4-tetrahydrochinoxalin.

Means to color a keratinous fiber, containing in a cosmetically acceptable medium a coloring material precursor
(A) 2-chlor-4-aminophenol, and
(B) at least a further coloring material precursor, selected from . . .

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